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NOTES AND LITERATURE.

GENERAL BIOLOGY.

Morgan's "Regeneration."¹—Students of experimental morphology have been done a real service by the author of this book. He has brought together and classified in an orderly way practically all that is known about the subject of regeneration in animals. A not inconsiderable part of this knowledge has been contributed by Professor Morgan himself or by his pupils. The author is hostile to "the hypothesis of preformed nuclear germs" and to "the theory of natural selection as applied to regeneration," but shows no spirit of unfairness. His work is both careful and comprehensive. It includes chapters on the early and justly famous experiments made by Trembly, Bonnet, and Spallanzani; on the external factors of regeneration; on the internal factors of regeneration; on regeneration in plants; on regeneration and liability to injury; on self-division, budding, etc.; on animal grafting; on relation to regeneration of the "germ-layer theory" and "the law of biogenesis"; on regeneration in egg and embryo; theories of development; theories of regeneration; etc. It is a work both of merit and of permanent value, well worthy of a place in the excellent series of biological books in which it is published.

W. E. C.

Inheritance of Acquired Characters.—One of the most interesting additions to the series *Scientia* is Costantin's² "L'hérédité acquise." In a very brief space the author gives a readable account of Weismann's germ plasm theory and of the changes that it has undergone. Then follow chapters on heredity in asexual reproduction, on artificial section, and on certain objections to the influence of the environment. The very interesting subject of hereditary diseases is well treated, and the little volume ends with a chapter on germinal selection. While in no sense an original contribution to the subject, the book forms an excellent introduction for the beginner or even the layman.

¹ Morgan, T. H. *Regeneration*. Columbia University Biological Series, vol. vii. New York, Macmillan, 1902. 8vo, xii + 316 pp., 66 figs.

² Costantin, J. *L'hérédité acquise*, *Scientia*, Biologie, No. 12. Paris, Carré et Naud, 1902. 86 pp.